

**Subsurface Consultants, Inc.**  
Consulting Engineers

**FAX TRANSMISSION COVER SHEET**

To: Madhulla Logan  
Company: ACHCSA

Receiver's Fax: 337-9335

From: Marianne Watada

**RUSH!**  
Please Deliver Immediately

Date: 8/25/94 SCI Job No.: 615.006

Pages Transmitted: 23

Project: Dignity Housing

Subject: Analytical Labs

For Your Review and Comment

As Requested

Original Will Be Mailed

Please Return an Executed Copy

For Your Information

\_\_\_\_\_

Copies have also been sent to: \_\_\_\_\_  
\_\_\_\_\_

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Subsurface Consultants, Inc.**

171 - 12th Street, Suite 201  
Oakland, California 94607  
510-268-0461 FAX 510-268-0137



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710. Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants  
171 12th Street  
Suite 201  
Oakland, CA 94608

Date: 18-AUG-94  
Lab Job Number: 116793  
Project ID: 615.006  
Location: Dignity Housing

Reviewed by:

*Tina K Morrison*

Reviewed by:

*Mary Plesner*

This package may be reproduced only in its entirety.

Berkeley

Los Angeles

LABORATORY NUMBER: 116793  
 CLIENT: SUBSURFACE CONSULTANTS  
 PROJECT ID: 615.006  
 LOCATION: DIGNITY HOUSING

DATE SAMPLED: 08/10/94  
 DATE RECEIVED: 08/10/94  
 DATE EXTRACTED: 08/12/94  
 DATE ANALYZED: 08/12/94  
 DATE REPORTED: 08/15/94

EPA 418.1: Total Recoverable Petroleum Hydrocarbons by IR

LAB ID	CLIENT ID	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)
116793-011	CB5	230	30
116793-014	CC2	ND	30
METHOD BLANK		ND	30

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	96

CLIENT: Subsurface Consultants  
 JOB NUMBER: 116793

DATE REPORTED: 08/16/94

**BATCH QC REPORT  
 BLANK SPIKE / BLANK SPIKE DUPLICATE**

Compound	Spike Amount	BS Result	BSD Result	Units	BS % Recovery	BSD % Recovery	Average Recovery	RPD	QC Batch	Method	Analysis Date
Antimony	500	449.6	420.7	ug/L	90	84	87	7	15629	EPA 6010	08/12/94
Arsenic	40	440.6	447.6	ug/L	110	112	111	2	15628	EPA 7060	08/12/94
Barium	2000	1949	1971	ug/L	98	99	99	1	15629	EPA 6010	08/12/94
Beryllium	50	50.1	49.8	ug/L	100	100	100	1	15629	EPA 6010	08/12/94
Cadmium	50	48.3	48.5	ug/L	97	97	97	0	15629	EPA 6010	08/12/94
Chromium (total)	200	197.3	199.4	ug/L	99	100	100	1	15629	EPA 6010	08/12/94
Cobalt	500	482.1	494.9	ug/L	96	99	98	3	15629	EPA 6010	08/12/94
Copper	250	241.1	246.3	ug/L	96	99	98	2	15629	EPA 6010	08/12/94
Lead	30	316.9	305.6	ug/L	106	102	104	4	15628	EPA 7421	08/12/94
Lead	500	457.5	489.1	ug/L	92	98	95	7	15629	EPA 6010	08/12/94
Lead	2000	1950	1970	ug/L	98	99	99	1	15670	EPA 7420	08/13/94
Mercury	4	3.805	3.843	ug/L	95	96	96	1	15687	EPA 7470	08/15/94
Molybdenum	400	363.3	374.7	ug/L	91	94	93	3	15629	EPA 6010	08/12/94
Nickel	500	465.8	480.7	ug/L	93	96	95	3	15629	EPA 6010	08/12/94
Selenium	30	305.4	284.8	ug/L	102	95	99	7	15628	EPA 7740	08/12/94
Silver	50	48.1	48.1	ug/L	96	96	96	0	15629	EPA 6010	08/12/94
Thallium	40	475.3	442.4	ug/L	119	111	115	7	15628	EPA 7841	08/12/94
Vanadium	500	484	488.8	ug/L	97	98	98	1	15629	EPA 6010	08/12/94
Zinc	500	482.8	480.4	ug/L	97	96	97	1	15629	EPA 6010	08/12/94

CLIENT: Subsurface Consultants  
 PROJECT ID: 615.006  
 LOCATION: Dignity Housing  
 MATRIX: WET Leachate

DATE REPORTED: 08/15/94

Metals Analytical Report

Lead

Sample ID	Lab ID	Sample Date	Receive Date	Result (ug/L)	Reporting Limit (ug/L)	QC Batch	Method	Analysis Date
CA2	116793-002	08/10/94	08/10/94	33000	500	15670	EPA 7420	08/13/94
CA3	116793-003	08/10/94	08/10/94	17000	500	15670	EPA 7420	08/13/94
CA4	116793-004	08/10/94	08/10/94	71000	1000	15670	EPA 7420	08/13/94
CA5	116793-005	08/10/94	08/10/94	4100	500	15670	EPA 7420	08/13/94
CA6	116793-006	08/10/94	08/10/94	2600	500	15670	EPA 7420	08/13/94
CB1	116793-007	08/10/94	08/10/94	6800	500	15670	EPA 7420	08/13/94
CB2	116793-008	08/10/94	08/10/94	8700	500	15670	EPA 7420	08/13/94
CB3	116793-009	08/10/94	08/10/94	ND	500	15670	EPA 7420	08/13/94
CB4	116793-010	08/10/94	08/10/94	ND	500	15670	EPA 7420	08/13/94
CB5	116793-011	08/10/94	08/10/94	17000	500	15670	EPA 7420	08/13/94
CB6	116793-012	08/10/94	08/10/94	1000	500	15670	EPA 7420	08/13/94
CC2	116793-014	08/10/94	08/10/94	ND	500	15670	EPA 7420	08/13/94
CC3	116793-015	08/10/94	08/10/94	2900	500	15670	EPA 7420	08/13/94
CC4	116793-016	08/10/94	08/10/94	ND	500	15670	EPA 7420	08/13/94
CC5	116793-017	08/10/94	08/10/94	5000	500	15670	EPA 7420	08/13/94
CC6	116793-018	08/10/94	08/10/94	9500	500	15670	EPA 7420	08/13/94

ND = Not detected at or above reporting limit



Curtis & Tompkins, Ltd.

#510 P04

TEL NO: 45C1268-0137

AUG-25-'94 THU 10:27 ID:SCI



SAMPLE ID: CB5  
 LAB ID: 116793-011  
 CLIENT: Subsurface Consultants  
 PROJECT ID: 615.006  
 LOCATION: Dignity Housing  
 MATRIX: Soil

DATE SAMPLED: 08/10/94  
 DATE RECEIVED: 08/10/94  
 DATE REPORTED: 08/16/94

## California TITLE 26 Metals

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	QC Batch	Method	Analysis Date
Antimony	ND	3.0	15629	EPA 6010	08/12/94
Arsenic	4.6	2.5	15628	EPA 7060	08/12/94
Barium	190	0.50	15629	EPA 6010	08/12/94
Beryllium	0.52	0.099	15629	EPA 6010	08/12/94
Cadmium	ND	0.25	15629	EPA 6010	08/12/94
Chromium (total)	35	0.50	15629	EPA 6010	08/12/94
Cobalt	7.8	0.99	15629	EPA 6010	08/12/94
Copper	50	0.50	15629	EPA 6010	08/12/94
Lead	260	15	15629	EPA 6010	08/12/94
Mercury	0.080	0.077	15687	EPA 7471	08/15/94
Molybdenum	2.4	0.99	15629	EPA 6010	08/12/94
Nickel	34	0.99	15629	EPA 6010	08/12/94
Selenium	ND	2.5	15628	EPA 7740	08/12/94
Silver	ND	0.50	15629	EPA 6010	08/12/94
Thallium	ND	2.5	15628	EPA 7841	08/12/94
Vanadium	30	0.50	15629	EPA 6010	08/12/94
Zinc	120	0.99	15629	EPA 6010	08/12/94

ND = Not detected at or above reporting limit

SAMPLE ID: CC2  
 LAB ID: 116793-014  
 CLIENT: Subsurface Consultants  
 PROJECT ID: 615.006  
 LOCATION: Dignity Housing  
 MATRIX: Soil

DATE SAMPLED: 08/10/94  
 DATE RECEIVED: 08/10/94  
 DATE REPORTED: 08/16/94

**California TITLE 26 Metals**

Compound	Result (mg/Kg)	Reporting Limit (mg/Kg)	QC Batch	Method	Analysis Date
Antimony	ND	3.0	15629	EPA 6010	08/12/94
Arsenic	2.7	2.5	15628	EPA 7060	08/12/94
Barium	120	0.50	15629	EPA 6010	08/12/94
Beryllium	0.51	0.10	15629	EPA 6010	08/12/94
Cadmium	ND	0.25	15629	EPA 6010	08/12/94
Chromium (total)	29	0.50	15629	EPA 6010	08/12/94
Cobalt	23	1.0	15629	EPA 6010	08/12/94
Copper	19	0.50	15629	EPA 6010	08/12/94
Lead	12	1.5	15628	EPA 7421	08/12/94
Mercury	0.11	0.091	15687	EPA 7471	08/15/94
Molybdenum	ND	1.0	15629	EPA 6010	08/12/94
Nickel	45	1.0	15629	EPA 6010	08/12/94
Selenium	ND	2.5	15628	EPA 7740	08/12/94
Silver	ND	0.50	15629	EPA 6010	08/12/94
Thallium	ND	2.5	15628	EPA 7841	08/12/94
Vanadium	21	0.50	15629	EPA 6010	08/12/94
Zinc	26	1.0	15629	EPA 6010	08/12/94

ND = Not detected at or above reporting limit



CLIENT: Subsurface Consultants  
JOB NUMBER: 116793

DATE REPORTED: 08/16/94

BATCH QC REPORT  
PREP BLANK

Compound	Result	Reporting Limit	Units	QC Batch	Method	Analysis Date
Antimony	ND	3	mg/Kg	15629	EPA 6010	08/12/94
Arsenic	ND	2.5	mg/Kg	15628	EPA 7060	08/12/94
Barium	ND	0.5	mg/Kg	15629	EPA 6010	08/12/94
Beryllium	ND	0.1	mg/Kg	15629	EPA 6010	08/12/94
Cadmium	ND	0.25	mg/Kg	15629	EPA 6010	08/12/94
Chromium (total)	ND	0.5	mg/Kg	15629	EPA 6010	08/12/94
Cobalt	ND	1	mg/Kg	15629	EPA 6010	08/12/94
Copper	ND	0.5	mg/Kg	15629	EPA 6010	08/12/94
Lead	ND	1.5	mg/Kg	15628	EPA 7421	08/12/94
Lead	ND	15	mg/Kg	15629	EPA 6010	08/12/94
Lead	ND	500	ug/L	15670	EPA 7420	08/13/94
Mercury	ND	0.1	mg/Kg	15687	EPA 7471	08/15/94
Molybdenum	ND	1	mg/Kg	15629	EPA 6010	08/12/94
Nickel	ND	1	mg/Kg	15629	EPA 6010	08/12/94
Selenium	ND	2.5	mg/Kg	15628	EPA 7740	08/12/94
Silver	ND	0.5	mg/Kg	15629	EPA 6010	08/12/94
Thallium	ND	2.5	mg/Kg	15628	EPA 7841	08/12/94
Vanadium	ND	0.5	mg/Kg	15629	EPA 6010	08/12/94
Zinc	ND	1	mg/Kg	15629	EPA 6010	08/12/94

ND = Not detected at or above reporting limit





LABORATORY NUMBER: 116793-METHOD BLANK  
CLIENT: SUBSURFACE CONSULTANTS  
PROJECT ID: 615.006  
LOCATION: DIGNITY HOUSING  
SAMPLE ID: N/A

DATE ANALYZED: 08/15/94  
DATE REPORTED: 08/18/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	95 %
Toluene-d8	99 %
Bromofluorobenzene	83 %



LABORATORY NUMBER: 116793-011  
 CLIENT: SUBSURFACE CONSULTANTS  
 PROJECT ID: 615.006  
 LOCATION: DIGNITY HOUSING  
 SAMPLE ID: CB5

DATE SAMPLED: 08/10/94  
 DATE RECEIVED: 08/10/94  
 DATE ANALYZED: 08/15/94  
 DATE REPORTED: 08/18/94

## EPA METHOD 8240: VOLATILE ORGANICS IN SOILS &amp; WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

## QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	100 %
Toluene-d8	109 %
Bromofluorobenzene	71 %



LABORATORY NUMBER: 116793-014  
CLIENT: SUBSURFACE CONSULTANTS  
PROJECT ID: 615.006  
LOCATION: DIGNITY HOUSING  
SAMPLE ID: CC2

DATE SAMPLED: 08/10/94  
DATE RECEIVED: 08/10/94  
DATE ANALYZED: 08/12/94  
DATE REPORTED: 08/18/94

EPA METHOD 8240: VOLATILE ORGANICS IN SOILS & WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: SURROGATE RECOVERIES

---

1,2-Dichloroethane-d4	83 %
Toluene-d8	88 %
Bromofluorobenzene	77 %



LABORATORY NUMBER: 116793-METHOD BLANK  
 CLIENT: SUBSURFACE CONSULTANTS  
 PROJECT ID: 615.006  
 LOCATION: DIGNITY HOUSING  
 SAMPLE ID: N/A

DATE ANALYZED: 08/11/94  
 DATE REPORTED: 08/18/94

## EPA METHOD 8240: VOLATILE ORGANICS IN SOILS &amp; WASTES

COMPOUND	Result (ug/Kg)	Reporting Limit (ug/Kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	20
Acetone	ND	20
Carbon disulfide	ND	5
Trichlorofluoromethane	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
trans-1,2-Dichloroethene	ND	5
cis-1,2-Dichloroethene	ND	5
Chloroform	ND	5
Freon 113	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	50
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5
Tetrachloroethene	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethyl benzene	ND	5
Styrene	ND	5
Total xylenes	ND	5

ND = Not detected at or above reporting limit.

## QA/QC SUMMARY: SURROGATE RECOVERIES

1,2-Dichloroethane-d4	89 %
Toluene-d8	91 %
Bromofluorobenzene	73 %

## MS/MSD Report

Matrix Sample Number: 116647-001      Date Analyzed: 11-AUG-94  
 Lab No: QC68869    QC68870      Spike File: DDHB15  
 Matrix: SOIL      Spike Dup File: DDHB16  
 Batch No: 15613    304223214007    304223220008    304223191003    Analyst: JON

	Instrdrg	SpikeAmt	% Rec	Limits
<b>MS RESULTS</b>				
1,1-Dichloroethene	47.4407	50	95 %	59-172%
Trichloroethene	43.3175	50	87 %	62-137%
Benzene	44.9353	50	90 %	66-142%
Toluene	45.5071	50	91 %	59-139%
Chlorobenzene	43.2125	50	86 %	60-133%
<b>Surrogate Recoveries</b>				
1,2-Dichloroethane-d4	47.1368	50	94 %	70-121%
Toluene-d8	45.8498	50	92 %	84-138%
Bromofluorobenzene	40.5532	50	81 %	59-113%
<b>MSD RESULTS</b>				
1,1-Dichloroethene	48.1534	50	96 %	59-172%
Trichloroethene	43.8127	50	88 %	62-137%
Benzene	45.1623	50	90 %	66-142%
Toluene	45.2846	50	91 %	59-139%
Chlorobenzene	43.5829	50	87 %	60-133%
<b>Surrogate Recoveries</b>				
1,2-Dichloroethane-d4	45.5523	50	91 %	70-121%
Toluene-d8	44.8639	50	90 %	84-138%
Bromofluorobenzene	39.3361	50	79 %	59-113%
<b>MATRIX RESULTS</b>				
1,1-Dichloroethene	0			
Trichloroethene	0			
Benzene	0			
Toluene	0			
Chlorobenzene	0			
<b>RPD DATA</b>				
1,1-Dichloroethene	1 %			< 22%
Trichloroethene	1 %			< 24%
Benzene	1 %			< 21%
Toluene	0 %			< 21%
Chlorobenzene	1 %			< 21%

Results within Specifications - PASS



## MS/MSD Report

Matrix Sample Number: 116793-011 Date Analyzed: 15-AUG-94  
 Lab No: QC69179 QC69180 Spike File: >CHF13  
 Matrix: SOIL Spike Dup File: >CHF14  
 Batch No: 15681 424227209013 424227216014 424227202012 Analyst: CW

	Instrdg	SpikeAmt	% Rec	Limits
<b>MS RESULTS</b>				
1,1-Dichloroethene	40.6	50	81 %	59-172%
Trichloroethene	32.98	50	66 %	62-137%
Benzene	39.74	50	78 %	66-142%
Toluene	41.31	50	83 %	59-139%
Chlorobenzene	33.15	50	66 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	51.06	50	102 %	75-143%
Toluene-d8	57.4	50	115 %	77-134%
Bromofluorobenzene	36.6	50	73 %	65-129%
<b>MSD RESULTS</b>				
1,1-Dichloroethene	49.99	50	100 %	59-172%
Trichloroethene	47.08	50	94 %	62-137%
Benzene	52.66	50	104 %	66-142%
Toluene	57.43	50	115 %	59-139%
Chlorobenzene	49.67	50	99 %	60-133%
Surrogate Recoveries				
1,2-Dichloroethane-d4	52.25	50	105 %	75-143%
Toluene-d8	55.25	50	111 %	77-134%
Bromofluorobenzene	38.51	50	77 %	65-129%
<b>MATRIX RESULTS</b>				
1,1-Dichloroethene	0			
Trichloroethene	0			
Benzene	.576			
Toluene	0			
Chlorobenzene	0			
<b>RPD DATA</b>				
1,1-Dichloroethene	21 %			< 22% *
Trichloroethene	35 %			< 24% *
Benzene	28 %			< 21% *
Toluene	33 %			< 21% *
Chlorobenzene	40 %			< 21% *

\*\* Result is out of limits



# CHAIN OF CUSTODY FORM

PAGE \_\_\_\_\_ OF \_\_\_\_\_

PROJECT NAME: Dignity Housing  
 JOB NUMBER: 615,006 LAB: Curtis + Tompkins  
 PROJECT CONTACT: Marianne Watada TURNAROUND: RAPID; ASAP at normal cost  
 SAMPLED BY: M. Watada REQUESTED BY: M. Watada

ANALYSIS REQUESTED											

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX				CONTAINERS				METHOD PRESERVED					SAMPLING DATE				NOTES	
		WATER	SOIL	WASTE	AIR	VOA	LITER	PINT	TUBE	HCL	H2SO4	HNO3	ICE	NONE	MONTH	DAY	YEAR	TIME		
-13	CC-1		X					X				X			08	10	94			Soluble Lead (w/ET)
-14	CC-2		X					X				X								EPA 8240
-15	CC-3		X					X				X								TELE 235 METHOD
-16	CC-4		X					X				X								TRP4
-17	CC-5		X					X				X								
-18	CC-6		X					X				X								

## CHAIN OF CUSTODY RECORD

RELEASED BY: (Signature) <u>Marianne Watada</u>	DATE / TIME <u>8/10/94 2:17 pm</u>	RECEIVED BY: (Signature) <u>Mary Pham</u>	DATE / TIME <u>8/10/94 2:17</u>
RELEASED BY: (Signature) <u>Z</u>	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME
RELEASED BY: (Signature)	DATE / TIME	RECEIVED BY: (Signature)	DATE / TIME

COMMENTS & NOTES:

**Subsurface Consultants, Inc.**  
 171 12TH STREET, SUITE 201, OAKLAND, CALIFORNIA 94607  
 (510) 288-0461 • FAX: 510-288-0137

TEL NO: 45CI268-0137 #510 P16 AUG-25-'94 THU 10:33 ID:SCI





Curtis & Tompkins, Ltd., Analytical Laboratories. Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Subsurface Consultants  
171 12th Street  
Suite 201  
Oakland, CA 94608

Date: 22-AUG-94

Lab Job Number: 116971

Project ID: 615.006

Location: Dignity Housing

Reviewed by:

Reviewed by:

*Mary Plesser*

This package may be reproduced only in its entirety.

Berkeley

Los Angeles

P.2

AUG 22 '94 19:40 CURTIS & TOMPKINS BERKELEY

#S10 P17

TEL NO:45C1268-0137

AUG-25-'94 THU 10:34 ID:SCI

CLIENT: Subsurface Consultants  
 PROJECT ID: 615.006  
 LOCATION: Dignity Housing  
 MATRIX: Soil

DATE REPORTED: 08/22/94

Metals Analytical Report

Lead

Sample ID	Lab ID	Sample Date	Receive Date	Result (mg/Kg)	Reporting Limit (mg/Kg)	QC Batch	Method	Analysis Date
CA2-2	116971-001	08/19/94	08/19/94	7.4	4.9	15828	EPA 7420	08/22/94
CA3-2	116971-002	08/19/94	08/19/94	8.0	5.0	15828	EPA 7420	08/22/94
CA4-2	116971-003	08/19/94	08/19/94	13	4.9	15828	EPA 7420	08/22/94
CA5-2	116971-004	08/19/94	08/19/94	ND	5.0	15828	EPA 7420	08/22/94
CB1-2	116971-005	08/19/94	08/19/94	ND	5.0	15828	EPA 7420	08/22/94
CB2-2	116971-006	08/19/94	08/19/94	ND	5.0	15828	EPA 7420	08/22/94
CB5-2	116971-007	08/19/94	08/19/94	ND	5.0	15828	EPA 7420	08/22/94
CC5-2	116971-008	08/19/94	08/19/94	ND	5.0	15828	EPA 7420	08/22/94
CC6-2	116971-009	08/19/94	08/19/94	ND	5.0	15828	EPA 7420	08/22/94
CA1-2	116971-010	08/19/94	08/19/94	ND	5.0	15828	EPA 7420	08/22/94

ND = Not detected at or above reporting limit



Curtis & Tompkins, Ltd.

#510 P18

P.3

TEL NO:45C1268-0137

BERKELEY

AUG-25-'94 THU 10:35 ID:SCI  
 AUG 22 '94 19:42 CURTIS & TOMPKINS

CLIENT: Subsurface Consultants  
 JOB NUMBER: 116971

DATE REPORTED: 08/22/94

 BATCH QC REPORT  
 PREP BLANK

Compound	Result	Reporting Limit	Units	QC Batch	Method	Analysis Date
Lead	ND	5	mg/Kg	15828	EPA 7420	08/22/94

ND = Not detected at or above reporting limit

P.S

AUG 22 '94 19:44 CURTIS & TOMPKINS BERKELEY



CLIENT: Subsurface Consultants  
JOB NUMBER: 116971

DATE REPORTED: 08/22/94

**BATCH QC REPORT  
BLANK SPIKE / BLANK SPIKE DUPLICATE**

Compound	Spike Amount	BS Result	SSD Result	Units	BS % Recovery	SSD % Recovery	Average Recovery	RPD	QC Batch	Method	Analysis Date
Lead	2000	1760	1790	ug/L	88	90	89	2	15828	EPA 7420	08/22/94



LABORATORY NUMBER: 116971  
CLIENT: SUBSURFACE CONSULTANTS  
PROJECT ID: 615.006  
LOCATION: DIGNITY HOUSING

DATE SAMPLED: 08/19/94  
DATE RECEIVED: 08/19/94  
DATE EXTRACTED: 08/22/94  
DATE ANALYZED: 08/22/94  
DATE REPORTED: 08/22/94

EPA 418.1: Total Recoverable Petroleum Hydrocarbons by IR

LAB ID	CLIENT ID	RESULT (mg/Kg)	REPORTING LIMIT (mg/Kg)
116971-007	CBS-2	ND	25

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, \*



**VERBAL ADDITIONS / CANCELLATIONS TO ANALYSIS REQUEST SHEET**

CLIENT: SCI DATE: 8/19/94  
 REQUESTED BY: Margaret Wastuda TIME: am 4:30 pm  
 RECORDED BY: \_\_\_\_\_

Current Lab ID (Previous Lab ID)	Client ID	Circle matrix	Specify add or cancel	Analysis	Due date
W6971-10	CA1-2	soil water other	+	PB	with res.
		soil water other			
		soil water other			
		soil water other			
		soil water other			
		soil water other			
		soil water other			
		soil water other			

Original in job jacket.

Copies to analytical departments.